

July 17, 2019

Mike Nickerson, CHMM
Environmental/Safety Coordinator
Central Bucks School District
320 West Swamp Road
Doylestown, PA 18901

**Re: Lead in Drinking Water Sample Collection and Reporting
Gayman Elementary School
4440 Point Pleasant Pike
Doylestown, PA 18902
Bucks County, Pennsylvania**

Dear Mr. Nickerson:

This document has been prepared by Langan to provide the results of the drinking water sampling activities at the above referenced school. Langan sampled the drinking water sources (e.g. fountains, sink faucets, etc.) as identified by the Central Bucks School District facility inventory. The collected samples were sent to the Pennsylvania certified environmental laboratory, PACE Analytical, and analyzed for total lead by USEPA Method 200.8, to meet Pennsylvania's action level requirements.

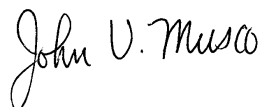
The results did not detect any exceedances at this school of the Pennsylvania Action Level of 15 micrograms per liter (ug/L).

As requested by Mike Nickerson, here is a list of locations with lead results above 10 ug/L, but below Pennsylvania Action Level of 15 ug/L are as follows:

<u>Location</u>	<u>Sample ID</u>	<u>Result</u>
Rm 30	G30	11.3 ug/L

A field sketch of the sampling locations and copy of the laboratory report is attached.

Sincerely,
Langan Engineering & Environmental Services, Inc.



John V. Musco
Associate

Enclosure

cc: R. Copenhaver, PG – Langan
B. Lambing. - Langan
Tyler Arinder – Langan

NJ Certificate of Authorization No. 24GA27996400

\\langan.com\data\DYL\data4\200130401\Project Data\Record Data\Reports\Day 8_6-14-19 Tohickon_Gayman_Groveland\Gayman_Lead_Sampling_Memo.docx

June 28, 2019

Randy Copenhaver
Langan Engineering
2700 Kelly Road, Suite 200
Warrington, PA 18976

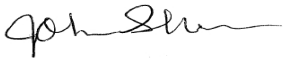
RE: Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 7094195

Dear Randy Copenhaver:

Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



John D. Stanton
john.stanton@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Bill Lambing, Langan Engineering



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 7094195

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747

New York Certification #: 10478 Primary Accrediting Body

New Jersey Certification #: NY158

Pennsylvania Certification #: 68-00350

Connecticut Certification #: PH-0435

Maryland Certification #: 208

Rhode Island Certification #: LAO00340

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 7094195

Sample: A24		Lab ID: 7094195001	Collected: 06/14/19 04:46	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:15	7439-92-1	
Sample: A18F		Lab ID: 7094195002	Collected: 06/14/19 04:48	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:24	7439-92-1	
Sample: GA8		Lab ID: 7094195003	Collected: 06/14/19 04:48	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:27	7439-92-1	
Sample: G1		Lab ID: 7094195004	Collected: 06/14/19 04:51	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:30	7439-92-1	
Sample: G2		Lab ID: 7094195005	Collected: 06/14/19 04:51	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:33	7439-92-1	
Sample: G3		Lab ID: 7094195006	Collected: 06/14/19 04:53	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	1.3	ug/L	1.0	1		06/27/19 18:36	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 7094195

Sample: G4		Lab ID: 7094195007	Collected: 06/14/19 04:53	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:45	7439-92-1	
Sample: G5		Lab ID: 7094195008	Collected: 06/14/19 04:55	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:48	7439-92-1	
Sample: G6		Lab ID: 7094195009	Collected: 06/14/19 04:55	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:51	7439-92-1	
Sample: G7		Lab ID: 7094195010	Collected: 06/14/19 04:57	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:54	7439-92-1	
Sample: G9		Lab ID: 7094195011	Collected: 06/14/19 04:57	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 18:57	7439-92-1	
Sample: G10		Lab ID: 7094195012	Collected: 06/14/19 04:58	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 19:06	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 7094195

Sample: G12		Lab ID: 7094195013		Collected: 06/14/19 05:00	Received: 06/18/19 11:00	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 19:09	7439-92-1	
Sample: G13		Lab ID: 7094195014		Collected: 06/14/19 05:00	Received: 06/18/19 11:00	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 19:12	7439-92-1	
Sample: G14		Lab ID: 7094195015		Collected: 06/14/19 05:01	Received: 06/18/19 11:00	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 19:21	7439-92-1	
Sample: G15		Lab ID: 7094195016		Collected: 06/14/19 05:20	Received: 06/18/19 11:00	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	4.4	ug/L	1.0	1		06/27/19 19:25	7439-92-1	
Sample: G16		Lab ID: 7094195017		Collected: 06/14/19 05:20	Received: 06/18/19 11:00	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	3.2	ug/L	1.0	1		06/27/19 19:28	7439-92-1	
Sample: G31		Lab ID: 7094195018		Collected: 06/14/19 05:21	Received: 06/18/19 11:00	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 19:31	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 7094195

Sample: G32		Lab ID: 7094195019	Collected: 06/14/19 05:21	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 19:34	7439-92-1	
Sample: G29		Lab ID: 7094195020	Collected: 06/14/19 05:22	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 19:37	7439-92-1	
Sample: G30		Lab ID: 7094195021	Collected: 06/14/19 05:22	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	11.3	ug/L	1.0	1		06/27/19 19:46	7439-92-1	
Sample: G17F		Lab ID: 7094195022	Collected: 06/14/19 05:02	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 20:01	7439-92-1	
Sample: G17		Lab ID: 7094195023	Collected: 06/14/19 05:03	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 20:04	7439-92-1	
Sample: G18		Lab ID: 7094195024	Collected: 06/14/19 05:03	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 20:07	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 7094195

Sample: G19		Lab ID: 7094195025	Collected: 06/14/19 05:05	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	3.9	ug/L	1.0	1		06/27/19 20:10	7439-92-1	
Sample: G20		Lab ID: 7094195026	Collected: 06/14/19 05:05	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 20:13	7439-92-1	
Sample: GLF		Lab ID: 7094195027	Collected: 06/14/19 05:06	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	1.4	ug/L	1.0	1		06/27/19 20:16	7439-92-1	
Sample: GLWR		Lab ID: 7094195028	Collected: 06/14/19 05:06	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	1.3	ug/L	1.0	1		06/27/19 20:19	7439-92-1	
Sample: G21A		Lab ID: 7094195029	Collected: 06/14/19 05:10	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	1.8	ug/L	1.0	1		06/27/19 20:22	7439-92-1	
Sample: G21B		Lab ID: 7094195030	Collected: 06/14/19 05:10	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 20:25	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)
Pace Project No.: 7094195

Sample: G22		Lab ID: 7094195031	Collected: 06/14/19 05:10	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 20:34	7439-92-1	
Sample: G23		Lab ID: 7094195032	Collected: 06/14/19 05:13	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 20:44	7439-92-1	
Sample: G24		Lab ID: 7094195033	Collected: 06/14/19 05:13	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/27/19 20:47	7439-92-1	
Sample: G25		Lab ID: 7094195034	Collected: 06/14/19 05:14	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	2.0	ug/L	1.0	1		06/27/19 20:50	7439-92-1	
Sample: G26		Lab ID: 7094195035	Collected: 06/14/19 05:14	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	2.0	ug/L	1.0	1		06/27/19 20:53	7439-92-1	
Sample: G27		Lab ID: 7094195036	Collected: 06/14/19 05:16	Received: 06/18/19 11:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	4.2	ug/L	1.0	1		06/27/19 20:56	7439-92-1	

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ANALYTICAL RESULTS

Project: CENTRAL BUCKS SCHOOL (GAYMAN)

Pace Project No.: 7094195

Sample: G28		Lab ID: 7094195037		Collected: 06/14/19 05:16	Received: 06/18/19 11:00	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	2.7	ug/L	1.0	1		06/27/19 20:59	7439-92-1	

Sample: G11		Lab ID: 7094195038		Collected: 06/14/19 04:58	Received: 06/18/19 11:00	Matrix: Drinking Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water		Analytical Method: EPA 200.8						
Lead	<1.0	ug/L	1.0	1		06/28/19 00:40	7439-92-1	

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